	Application No.	Applicant(s)	
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N-4: E A II L 11/4 -	10/731,688	WANG ET AL.	1
Notice of Allowability	Examiner	Art Unit	-
	ALEXANDER BOAKYE	2616	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT I of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in this 5) or other appropriate communica RIGHTS. This application is subje	s application. If not included ation will be mailed in due cou	urse. THIS
<u> </u>			• .
2. The allowed claim(s) is/are 1-24,26,25; renumberd as 1-2	26 respectively.		
3. ☐ Acknowledgment is made of a claim for foreign priority of a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have a linear and provided the copies of the priority of the priority documents have a linear and provided the copies of the priority documents have a linear and provided the copies of the priority documents have a linear and provided the copies of the priority documents have a linear and provided the copies of the priority documents have a linear and provided the copies of the priority documents have a linear and provided the copies of the priority documents have a linear and provided the copies of the priority documents have a linear and provided the linear and li	ve been received. ve been received in Application N	o. <u> </u>	n from the
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		eply complying with the requi	rements
4. A SUBSTITUTE OATH OR DECLARATION must be subminformal patent application (PTO-152) which give			ICE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mu	ust be submitted.		I
(a) including changes required by the Notice of Draftspe.	rson's Patent Drawing Review (-P	TO-948) attached	•
1) hereto or 2) to Paper No./Mail Date	<u></u>		•
(b) including changes required by the attached Examine Paper No./Mail Date	r's Amendment / Comment or in t	he Office action of	
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			ıck) of
6. DEPOSIT OF and/or INFORMATION about the dep attached Examiner's comment regarding REQUIREMENT	osit of BIOLOGICAL MATERIA FOR THE DEPOSIT OF BIOLO	AL must be submitted. Not GICAL MATERIAL.	e the
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Attachment(s)			
1. Notice of References Cited (PTO-892)	5. Notice of Inform	nal Patent Application (PTO-1	i 52)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Sumn	nary (PTO-413),	*
Information Disclosure Statements (PTO-1449 or PTO/SB Paper No./Mail Date	Paper No./Mai /08), 7. ☐ Examiner's Am	I Date endment/Comment	
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛭 Examiner's Star	tement of Reasons for Allowa	ınce
· · ·	9. Other		
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Application/Control Number: 10/731,688 Page 2

Art Unit: 2616

1. The drawings filed 12/09/2003 has been approved by the examiner.

REASONS FOR ALLOWANCE

2. The following is an examiner's statement of reasons for allowance: Claims 1-26 are considered allowable since when reading the claims in light of the specification, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in the independent claims. As to claim 1, the prior art of record does not teach adding a plurality of prefixes to a plurality of data streams in symbol-level carrying a plurality of transmit symbols for providing a plurality of further data streams indicative of the prefix-added streams; and combining the spread data streams into at least one code division multiple access chip-level code stream for transmission. As to claims 2-5, the prior art of record does not teach streams is divided into a plurality of data blocks so as to allow the prefixes to be added to the data blocks for providing a plurality of prefix-added data blocks.

As to claims 6-16, the prior art of record does not teach wherein the transmitted chip-level code stream is received for providing a receiving signal indicative of the received chip-level code stream, and method further comprising: removing the prefixes from the received signal for providing a further signal in time domain indicative of a prefix-removed data stream and converting the further signal into a transformed signal

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in frequency domain. As to claims 17-19, the prior art of record does not teach a plurality of first modules, for adding a plurality of prefixes to a plurality of data streams in symbol-level carrying a plurality of transmit symbols for providing a plurality of further data streams indicative of the prefix-added data streams; and summing module for summing the spread data streams into at least one code division multiple access chip-level code stream for transmission.

As to claims 20-22, the prior art of record does not teach a third module for applying a plurality of feed-forward filter coefficients to the transformed signal for channel equalization in frequency domain and providing equalized signal for dispreading. As to claims 23, 24 and 26, the prior art of record does not teach a summing module for summing the spread data streams into at least one code division multiple access chip-level code stream for transmission; and a third module for removing the prefixes from the code division multiple access chip-level code stream for providing a prefix-removed code stream in the time domain. As to claim 25, the prior art of record does not teach a seventh module, for applying a plurality of feed-forward filter coefficients to the transformed signal for channel equalization in frequency domain and providing equalized signal for dispreading; an eight module, for converting the equalized signal into a further transformed signal in time domain; and a ninth module for removing inter-symbol interference in the further transformed signal in time domain. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany

Application/Control Number: 10/731,688

Art Unit: 2616

the issue fee. Such submissions should be clearly labeled "Comments on Statement of

Page 4

Reasons for Allowance."

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander Boakye whose telephone number is (571) 272-3183. The examiner can normally be reached on M-F from 8:30am to 6:00pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham, can be reached on (571) 272-3179. The fax number is (571) 273-8300. Any inquiry of general nature or relating to the status of this application or proceeding should be directed to Electronic Business Center numbers 866-217-9197 and 703-305-3028.

Alexander Boakye

Patent Examiner AB 6/7/06

CHI PHAM

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